

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/051325A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04N7/36 H04N7/50 G06T7/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04N G06T

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 456 731 B1 (CHIBA NAOKI ET AL) 24 September 2002 (2002-09-24) cited in the application abstract; claim 1; figures 2,3,5 column 3, lines 44-64 column 11, line 3 - column 12, line 24	1-23
Y	ROY WANG ET AL: "A confidence measure based moving object extraction system built for compressed domain" IEEE INTERNATIONAL SYMPOSIUM ON CIRCUITS AND SYSTEMS, vol. 5, 28 May 2000 (2000-05-28), - 31 May 2001 (2001-05-31) pages 021-24, XP010504123 GENEVA abstract; figure 1 paragraphs '0001!', '0002!', '0004!' -/-	1-23

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search:

17 December 2004

Date of mailing of the international search report:

03/01/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JAMROZIK M L ET AL: "A compressed domain video object segmentation system" PROCEEDINGS 2002 INTERNATIONAL CONFERENCE ON IMAGE PROCESSING. ICIP 2002. ROCHESTER, NY, SEPT. 22 - 25, 2002, INTERNATIONAL CONFERENCE ON IMAGE PROCESSING, NEW YORK, NY : IEEE, US, vol. VOL. 2 OF 3, 22 September 2002 (2002-09-22), pages 113-116, XP010607273 ISBN: 0-7803-7622-6 the whole document	8,9,19, 20
A	R.V. BABU, K.R. RAMAKRISHNAN: "Compressed domain motion segmentation for video object extraction" IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS SPEECH AND SIGNAL PROCESSING, vol. 4, 13 May 2002 (2002-05-13), - 17 May 2002 (2002-05-17) pages 4-3788-4-3791, XP002311161 the whole document	1-23
A	STOFFLER N O ET AL: "An image processing board with an MPEG processor and additional confidence calculation for fast and robust optic flow generation in real environments" ADVANCED ROBOTICS, 1997. ICAR '97. PROCEEDINGS., 8TH INTERNATIONAL CONFERENCE ON MONTEREY, CA, USA 7-9 JULY 1997, NEW YORK, NY, USA, IEEE, US, 7 July 1997 (1997-07-07), pages 845-850, XP010244108 ISBN: 0-7803-4160-0 abstract page 845 - page 847	1-23
A	BARRON J L ET AL: "Performance of optical flow techniques" PROCEEDINGS OF THE COMPUTER SOCIETY CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION. CHAMPAIGN, IL, JUNE 15 - 18, 1992, NEW YORK, IEEE, US, 15 June 1992 (1992-06-15), pages 236-242, XP010029350 ISBN: 0-8186-2855-3 abstract; figures 2,3 paragraphs '0001!, '0002!, '0005!	1-23

-/-

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PCT/EP2004/051325

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>HOW-LUNG ENG ET AL: "Spatiotemporal segmentation of moving video objects over MPEG compressed domain"</p> <p>MULTIMEDIA AND EXPO, 2000. ICME 2000. 2000 IEEE INTERNATIONAL CONFERENCE ON NEW YORK, NY, USA 30 JULY-2 AUG. 2000, PISCATAWAY, NJ, USA, IEEE, US,</p> <p>30 July 2000 (2000-07-30), pages 1531-1534, XP010512797</p> <p>ISBN: 0-7803-6536-4</p> <p>abstract</p> <p>paragraphs '0001!, '0002!, '0005!</p>	1-23
A	<p>WO 00/45339 A (SARNOFF CORP)</p> <p>3 August 2000 (2000-08-03)</p> <p>abstract; figures 2,4</p> <p>page 2, line 22 - page 3, line 23</p> <p>page 6, line 10 - page 10, line 11</p>	1-23
A	<p>WO 01/96982 A (DYNAPEL SYSTEMS INC)</p> <p>20 December 2001 (2001-12-20)</p> <p>abstract</p> <p>page 5, line 14 - page 6, line 9</p>	1-23
A	<p>US 2002/154792 A1 (FAYAN RANDY M ET AL)</p> <p>24 October 2002 (2002-10-24)</p> <p>abstract</p> <p>paragraphs '0003! - '0005!, '0012! - '0023!</p>	1-23

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Information on patent family members

International Application No

PCT/EP2004/051325

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6456731	B1	24-09-2002	US 2003058945 A1	27-03-2003
			JP 3435084 B2	11-08-2003
			JP 11339021 A	10-12-1999
WO 0045339	A	03-08-2000	TW 454158 B	11-09-2001
			WO 0045339 A1	03-08-2000
			US 6366701 B1	02-04-2002
WO 0196982	A	20-12-2001	WO 0196982 A2	20-12-2001
US 2002154792	A1	24-10-2002	NONE	